

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 05064296  
PUBLICATION DATE : 12-03-93

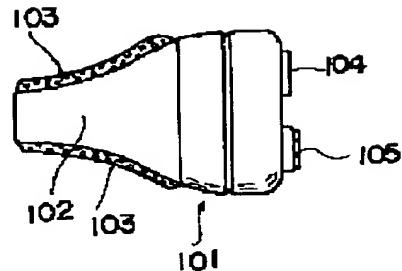
APPLICATION DATE : 29-08-91  
APPLICATION NUMBER : 03218314

APPLICANT : TERUMO CORP;

INVENTOR : IDE TETSUYA;

INT.CL. : H04R 25/00

TITLE : HEARING AID



**ABSTRACT :** **PURPOSE:** To improve a sweat absorbing operation and to eliminate an unpleasant feeling caused by sound leakage or the like by expanding the hearing aid along the inner diameter of the external auditory canal by using an elastic member, which is formed by a high water absorbitivity high polymer material, as an outer peripheral member for the inserting part of the external auditory miatus at the hearing aid.

**CONSTITUTION:** A sheath 103 is mounted at an external auditory canal inserting part 102 of a hearing aid 101. The sheath 103 is formed by soft resin containing the high water absorbitivity high polymer material such as polyacrylic salt system, vinyl alcohol acrylic salt system, for example. The sheath 103 is expanded (swelled) by absorbing moisture, especially, sweat in the external ear of a user. On the other hand, since the member forming the sheath 103 has rubber elasticity, the hearing aid can follow up deformation without applying pain to the user even when the shape of the external ear is deformed by eating or the like. Further, since the external auditory canal of the user is completely closed by the operation of the sheath 103 swelled by moisture absorption, a howling phenomenon caused by sound leakage or the like is reduced.

**COPYRIGHT:** (C)1993,JPO&Japio